



	10	. 20	30	40	5 (S.
RCHD005.COMPLETE(1>288)->	OCCUTAGATOCA C	CCTCCAAATT	AACTTTGATT	THICATCHE	TEXXXCCVCL	CITCI
	COCTENGATOCA	CCTOCAAATT	MACTITGATI	THICATCHIC	touscion	टाःख
	70		90	100	110	120
RCHD005.COMPLETE(1>288)->	TOOTATOOCCTAA	TGAACAACTTC	CACCIVATICA	GTATGGTGTC	ACCATTIVE OF	المناب
	TOCTATGGCCTAL	TONCMETT	CXCCTXXTCX	CENTOCICIC	AGGATTTHICK	XIVITA
•	130	140	150	160	170	18:
RCHD005.COMPLETE(1>288)->	ATTICTOCAGGIA	TATTITICAGO	Acception	CACCATTACC	ACCENTED S	GIGCT
	ATTICTOCAGGIA	TATTITICAGCC	yelchieh.	CACCATINGC	NICOCINL TO	GT:CI
	190	200	210	220	230	
RCHD005.COMPLETE(1>288)->	CCCAAAATATTTC	ACCOUNTOI	AAGGACAACA	TCTACCCAGC	TICCAGATOT	TIGGT
•	CCCAAAATATTTC	AGGCICIAIGI	XXXXXXXXXX	TCTACCCAGC.	ittocagatu :	'F.VCI
	250	260	270	280		٠.
RCHD005.COMPLETE(1>288)->	AAAGGTTATGGGA					
	ANAGGITATGGGA	AAAATAATGAA	ccicitosis	SCIGCATCIN	VGCC	

FIG. 1





	10	20	30 	40	50
RCHD024.COMPLETE.SEQ(1>178)->		ATTANAGTCTGA ATTANAGTCTGA			TATAAG TATAAG
	60	70	80	90	100
RCHD024.COMPLETE.SEQ(1>178)->		ACCACCACCAA			
	110	120	130 	140	150 1
RCHD024.COMPLETE.SEQ(1>178)->		Chalcylange			PICCIT
	160	170 	<u> </u>		
RCHD024.COMPLETE.SEQ(1>178)->		TGAGCCTAGTCT			

FIG. 2





		. 10		20	30	. 40	50
RCHD032.COMPLETE.SEQ(1>101)->	بلىبى					 	
						agtoggathagi Agtoggathag	
·		60 1	179 111	70	80	90. 	100
RCHD032.COMPLETE.SEQ(1>101)->						TTTTGAAATTG TTTTGAAATTG	
•		•		•			
RCHD032.COMPLETE.SEQ(1>101)->	A						

FIG. 3





	10	20	30	40	50
·	بيليبيييي				
RCHD036.COMPLETE.SEQ(1>184)->	GCTIGGIGGIG	ATGCCTACAAGA ATGCCTACAAGA	AATGTTEACA	TACAAACACT	CTATAC
	60	70	80 11	90 !!	100
RCHD036.COMPLETE.SEQ(1>184)->	ATCTAACTCCC	CAAAAAGGACCAC	CTATTTCCCC	AACAGAAAAA AACAGAAAAA	AGACAA AGACAA
	. 110	120 	. 130 	140	15C
RCHD036.COMPLETE.SEQ(1>184)->	GCATTTCAGAGO GCATTTCAGAGO	GAGCGTTGCTTT	CTTAAAGACC CTTAAAGACC	TAACTCACIT TAACTCACIT	<u>AAGICI</u> 'AAGICI
·	160	170 	180		
RCHD036.COMPLETE.SEQ(1>184)->	TACAAACAGAA TACAAACAGAA	<u>ATAACAAGGAGG</u> ATAACAAGGAGG	ACAATITICIA ACAATITICIA		





SQGSDTSTS ĸ L G A L 20 ATG GGG CTC CTG CCC AAG CTC GGC GCG TCC CAG GGC AGC GAC ACC TCT ACT AGC CGA GCC 60 I K v F C F N 40 R OGC CGC TGT GCC CGC TCG GTC TTC GGC AAC ATT AAG GTG TTT GTG CTC TGC CAA GGC CTC 120 K T L Y F 60 0 CTG CAG CTC TGC CAA CTC CTG TAC AGC GCC TAC TTC AAG AGC AGC CTC ACC ACC ATT GAG 180 S S S G I S Ε G L 80 R ANG COC TIT GOG CTC TCC NOT TCT TCN TCG GGT CTC NIT TCC NGC TTG NAT GAG ATC AGC 240 F. S Y F G S R I 100 I AAT GCC ATC CTC ATC ATC TIT GTC AGC TAC TIT GGC AGC CGG GTG CAC CGT CCA CGT CTG 300 G L F G F I 120 ·G G ATT GOC ATC GOA GOT CTC TTC CTG GCT GOA GOT GCC TTC ATC CTC ACC CTC COA CAC TTC 360 Q S T G N 140 CTC TCC GAG CCC TAC CAG TAC ACC TTG GCC AGC ACT GCG AAC AAC AGC CCC TTG CAG GCC 420 D ĸ C H 160 GAG CTC TGC CAG ANG CAT TGG CAG GAC CTG CCT CCC AGT AAG TGC CAC AGC ACC ACC CAG 480 Q K E-T S S M W G L M V v 180 AND COO CAG ANG GAG ACC AGC ACC ATG TGG GGC CTG ATG GTG GTT GCC CAG CTG CTG GCT 540 V I Q P F G T Y D D 200 GGC ATC GGG ACA GTG CCT ATT CAG CCA TTT GGG ATC TCC TAT GTG GAT GAC TTC TCA GAG 600 Y I S I L T 220 CCC AGC AAC TCG CCC CTG TAC ATC TCC ATC TTA TTT GCC ATC TCT GTA TTT GGA CCG GCT 660 G S M F D 240 THE GGG TAC CHG CHG GGC TET GTC ANG CHG CAG ATC THT GTG GAC TAT GGC AGG GTC AAC N L V P G D P R 260 ACA GCT GCA GTT AAC TTG GTC CCG GGT GAC CCC CGA TGG ATT GGA GCC TGG TGG CTA GGC 780 280 L CTG CTC ATT TCT TCA GCT TTA TTG GTT CTC ACC TCT TTC CCC TTT TTT TTC TTC CCT CGA 840 300 OCA ATG CCC ATA OGA OCA AAG AGG GCT CCT GCC ACA GCA GAT GAA GCA AGG AAG TTG GAG 900 R 320 GAG GCC ANG TCA AGA GGC TCC CTG GTG GAT TTC ATT AAA CGG TTT CCA TGC ATC TTT CTG 960 v A 340 AGG CTC CTG ATG AAC TCA CTC TTC GTC CTG GTG GTC CTG GCC CAG TGC ACC TTC TCC TCC 1020 Ε K 360 N GTC ATT GCT GGC CTC TCC ACC TTC CTC AAC ANG TTC CTG GAG AAG CAG TAT GGC ACC TCA 1080 N 380 G GCA GCC TAT GCC AAC TTC CTC ATT GGT GCT GTG AAC CTC CCT GCT GCA GCC TTG GGG ATG 1140 F s 0 . A 400 I M ĸ R P L R CTG TIT OGA GGA ATC CTC ATG AAG CGC TIT GTT TTC TCT CTA CAA GCC ATT CCC CGC ATA 1200 M С v 420 S I L M I GCT ACC ACC ATC ATC ACC ATC TCC ATG ATC CTT TOT GTT CCT TTG TTC TTC ATG GGA TGC 1260

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FIG. 5A





S TCC	T A∝	р œа	T ACT	orc v	CCC Y	GAA E	GIC V	Y TAC	000 P	CCI.	S AGC	T ACA	S TCA	s agt	s TCT		H CAT			440 1320
S TCT	P	A GCC	C TGC	R ΂	r agg	D GAC	C TGC	S TCG	C TGC			S TCT	I		H CAC	ccc b	orc orc	c TGT	G GGA	460 1380
D GAC	N AAT	G GGA	I ATC	E GAG	Y TAC	crc crc	s TCC	P CCT	C TGC	H CAT	œα			S AGC			N AAC	M ATG	S AGC	480 1440
s TCT	λ GCA	T ACC	s TCC	k aag	င္လာ	L CTG	I ATC	Y TAT	L TTG	х хс И	C TGC	S AGC	C TGT	GIG V	T A€€	€	G GGA	S TCC	A GCT	500 1500
S TCA	A GCA	K AAG	T ACA	G OGA	S TOG	C TOC	.P	QIC V	CCC P	TOT C	œc A	H CAC	F TTC	CIG L		P CCG	GCC		F TTC	520 1560
L CTC	I ATC	S	F TTC	orc v	s TCC	CIG	I ATA	αœ	C TGC	I ATC	s TCC	H	N AAC	000 P	CTC	Y TAC	M ATG		V GTT	540 1620
L CTG	R CGT	v crc	orc orc	N AAC	Q CAG	. E	GYY E	K AAG	S TCA	P TTT	αœ	I ATC	G 666	GIG V	cyc Q	F TTC	L TTG	L TTG		560 1680
R CGC	L TTG	r cre	A GCC	W	r CIG	P CCA	S TCT	P CCA	A GCC	r crc	Y TAT	© 600€	r crc	T ACC	I ATT	D GAC	H CAC	S TCC	C TGC	580 1740
I	R	W TGG	N AAC	S	Cic	100	L TTG	G GGG	R AGG	R CGA	G GGG	A ccc	C TGC	GCC Y	Y TAC		D GAC	N AAC	D GAT	600 1 80 0
A GCT	r CIC	R CGA	, D GAC	R AGG	Y TAC	L CTG	GGC	L CTG	Q CAG	H ATG							m atg		r CIG	620 1860
L CT	C	F TTC	I	S	W TGG	R AGG	org V	K AAG	K AAG	N AAC	K AAG	E GAG	Y TAC	n Aac	GIG V	CAG	K AAG	οςς λ	A GCA	640 1920
_	_	I OTA:											-							643 1929
CCCCACCCTGGGCCACTGYCCTGCTCCAGAGAGTGGACCTTGACTCYTCCACACCTGCCTATACTCACTAATGTTAACA CGTCATTTCCTKTTTGTATTTTTAAAMAAGA																				

FIG. 5B

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	(XXTTACC	ATCCAT	~~~~	2005A71	20000	ಗಲಲ	· COCKAC	٠	XCCC	xia	200	6
COORCIA	cocross	XXX TCCC	100000	wiere	rocre.	וכזכזא	XXX	XTCV00	CATT		correct Co	2000	14
NGAGTTACACO	TCCTOCK	XXXXIII	cucto	صمتم	-XXXCT	LATOCAL	CTCL	cuc	ост	rock	ငတ	œ	21
MOODETOCA	ACCCACCT	raccockin	CACTGA	OCHOCT	cricoca	XXX	770CK		مصح	vcccc	CV000	عمد	29
(CC)	, ACC ACC	**********	crossc	10000	EATOCK	CATO	200101	coco	CATCT	GTTC	TTCCC	жт	377
CTCTOCACTTA	renhe ce	ستحسد		ACACOTT	creer e	X.7000)CTT	octore:	100	witc	Ͼ	CTC	450
ACTTOMOGRA	MICHOX		TALLICA:	TIKOT	HATCH	THE)GAGO	TCTOOL	NOCCT	1100	æw	ıcı	535
TONNOCTOCA	~~~	K	0	V T		Q A	R	c v	G	L	E	н	14
		ACAC A11		. 10 AC1		<i></i>		ac en	\ aa;	. CTG	C/C .	ATG	600
arc ,cc/ ccc	κœ œ	CO. C.	r œs o	<u> </u>	WC A	~ ~	700	œ &	c.c.c	wc	cte .	ıσ.	36 664
N & F	£ .6	T A	L.	A M	<u>.</u>	T &	E	L S	E	×	Q	Q	54
YVI								-		-	OG (-	724
THE GTG ATC	ထွင္ ငယ္	بين حير	1001	, circ	TAC A	œ Arc	ric (cic tic	œ	LATC	œ: 1	177	74 780
ede eee we	. I L	I L	٧.	V N	I	5 F	*	E K	H	7	1	P	94
D L Y					-					ACC		- -	640
ene eue ane	TTC ATC	ببرد ديره	ထိေ	ဆိ ဆိ	တင် င	ic vic	cue o	ာ် ထိ	cic	700	cic 1	I VIT	114 900
es or the	N L	H E	R COST T	Y Y	0	I A	v.	L C	1		H	5	134
L 7 L		N N			·		L	.10 10C	~~~	110			960
टाट गांट टांट	ထိုင္တေတာင္		TAC A	æ æ	ore r	e 440	د عنی		ATG	æ	nc o	D 24C	154 1020
R Y I	A L	A R		H R		i L	- E	R T	K	K	H	<u>.</u>	174
R L S	c c	LI		H A		/ s		T 1.	~~	•	-	-	1080
OCC CTG ACC	TOT COC	כדכ אדכ	TOC A	TC 00A	10C G	us icr	مت ب	ين عب	cic,	œ	א סזו	cc c	1140
&	CTC CXC	H T	صد د	E A	TOC 17	, c	TTC C	A 0	orc	R COG	E C	V TC:	214 1200
Q W L	E V	T L	c	<i>F</i> I	v 1	. ,		7 7	c	,	_		234
באב דסב כדכ	CNC CTC	YCC CLC	00C T	דכ אדכ	ese co	x mc	οσς γ	דכ אדכ	œ	CTC	TOC T	XC	1260
S L I	orc ood	CIG CIG	GTC N	R A	oc a	K K	R CCT O	s cre	æ	<u>*</u>	R CCC C	R CC	254 1320
Q K A	L R	H I	Ł.	A V	V (. v	F	r v	c	w	L	P	274
og <u>nie</u> og:	cac ooc	ATG ATC	ctc o	CA CTTC	cuc cı	c crc	TTCT	ic cic	τος	100	CTC 0	œ	1380
era we elec	TTC ATC	ACC CTC	CVC C	t t	တို့ င	T X	င္လိုင္ငင္	r &	Å	œ i	CCT 17	c œ	294 1440
K Q S	P R	H A	К	PL	τ (ж	1	V N	L			•	314.
NG CAG TCT	TTC COC	CAT CCC	CC 0	π	ACC CC	× 000	ATT G	TC MC	CTC .	∞	∞	TC	1500

FIG. 6A



314	K	٥	R	F	τ	ε	G	L	F	\$	۲	1	L		ĸ	L	c	\$	N	2
1560	NG	CVC	ACC	TTC	ACC	တင	∞	CTC	111	ACC	TAC	ATC	CLC	∞	w	CTA	100	MCC.	wc	ıœ
		u	_	-			,			٠.	м	+	ĸ	0	E	1	Y	L	R	L
354 1620	<u>^</u>	cic.	101	Ť.	â	cic.	circ	â	င်္သေ	TTC	AAT	ė	m	ŭ	cia	ATT	TAC	CTC	ACG	CTG
1020																				
374	A	8	8		R	<u>v</u>	D_		9	E .	. <u>T</u>	. \$	0	.	ī	~	<u></u>	K	<u>_</u>	<u>~</u>
1640	∞	KIT	XX	TTC	KO5	CTG	CAT	104	00	œ.	ACS	æ	œ.	سم	~ 1	OIC.	٠	MG		
175												••							•	v
1757	∞	cua		0570	an	8	TOO		TOX	TOX	NO.	XX	XX	0	XX.	room	20.77	ACX.	TAG	CLC
				-		···	~~	***		~~~	~~	****		***				TO.	THAT	
1836	w.	·	•		~~	٠	~~.		~~~	٠.٠.	~			~~	••••					
1915	CT	Mac	œ	CUI	OCTA	WIT	200	TOC	croc	TOO	2001	wir.	XXX	TOK	wa	300	OC.	2000	X TO	C
	٠														٠		-		~~	~~
1994	XCC.	CTOC		occ.	- T			cere	XX	X.	TUTO		W		عجد	~~		XXX	~~~	
2073		ACC)	CTCA	2700	CCT	2000	عب	CAC	1000	œu	200	sio		CTC	ATT	***		CTC	2000	1000
																			<u> </u>	
2152	IC)	MC.	3010	iocu	Mas	V.OC	œ	ост	CTGA	ŒW	100	200	TOCK	wr	NGC	EEN		CAC	00	الحات
2231		MOGAL		GAO	TELL	000	0000	32CA	CTAC	CTAG	TOR	ocic	·	oroc	cica	TOTO	oore	TOO	Ċ	œ
											-							٠.		
2310	∞	2000	CO	2000	3700	∞	MODIA		1000	XXXX	1100	CATC	αn	ळ्ळा	CTC	2000	CT/CC	TCTC	CTOC	CATC
****	_		~~~	~~~	- T	~~~	320	2240	CT CT	000	MATE.	ME.	-	OGAC	2000	CTO	2000	CIAC;	œ	
2389																				
2468	1001	T)G	10007	CIO.	700	COAC	2010	220	ACTO	CTOC	TCAT	∞	MIT	1000	WC)	CATO	110	CITO	ACTO	KITC
							~~			C115	TC 2/0	***	~	2022	_	1171	ATCA	صحد	ce Ma	2070
2547	œ	C.T		~10	~~	~~									~.~					
2562												∞	ATAA	TAAL	∞×	CCTT	w	TUTA	ATCA	LATO

FIG. 6B





	œ	33CC	XXXX	CCIV	CACC	M ATG	A GCC	S TCG	CCCC P	R CGC	A CCC	S TCG	R CGG	W TGG	ccce b	ccce P	P	t crc	r CIG	142
							L CTG												P CCG	34
P							CTG												cic r	54 162
							R CGC												G GGG	74 222
	. A ccc	ACC	ccc b	G GGC	œc	S AGC	Y TAC	R AGG	ccc y	CCT P	e gag	CCA P	G GGC	A ∞c	ĠŒ	ACA.	CAG	R CGG	G CGA	94 282
CCC b			R CGG				G GGC												E GAA	114 342
s agt	N AAC	T ACT	e gag	GCC	H CAT	OTA CTA	GAA	N AAC	ATC	ACC	P TTC	Y TAT	cyc o	n aat	cyv o	e Gag	GAC C	F TTT	S TCA	134 402
							GIG V												S TCG	154 462
							L CTA													174 522
S TCT	S TCA	s agt	R AGA	ACA	N AAC	P TTC	T ACC	I ATT	L TTG	CCT	CII V	G GGG	Y TAC	S TCA	L CTG	e Gag	I Ata	CCA CCA	T ACA	194 582
A GCT							AAC N													214 642
S TCA							occ										s TCG		M ATG	234 702
g Gga							CTG										e gag	A ccc	T ACC	254 762
T ACT	_						P TTT									_	-	_	P	274 822
S TCT							G GGA													294 882
A GCT							L CTT													314 942
S TCC							S TCA													334 1002
																			S AGC	
	T ACA						D GAC				A GCC				S TCC		QIC V		L, CTT	374 1122
	. ccc						R AGA													394 1182
E.	F	I TTA:	E GAA	င်္သ	S TOO	T ACA	E GAA	N AAT	GAA	F TTT	G GGA	L CTT	T ACG	s TCT	L TTG	R CGT	w TGG	CAA	N AAT	414 1242

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FIG. 7A

D GAT	s TCC	: cc	:A. J	T ACC	F TTT	G GGA	e gaa	H CAT	CYC O	L CTT	A GCC	s AGC	S AGC	S TCT	E GAG	cic v	Q CAA	n Aat	G GGA	S AGT	434 1302
P CCC	M OTA	: T	5 CT (Q CAG	T ACT	E GAG	T ACT	org V	S TCT	R AGG	S TCA	orc orc	A CCA	CCC	M ATG	r aga	G G	G GGA	E GAG	I ATC	454 1362
T ACT	A GCJ	1 A C	H AC 1	w TGG	L CTC	L TTG	T ACC	N AAC	S AGC	T ACA	T ACA	s TCT	A CCA	D GAT	orc orc			s Agc	S TCT	A GCT	474 1422
S TCA	Y TX	ro	P CT ·	E GAA	G CCT	org V	n aat	A GCT	S TCA	GIG V	r TTG	T ACC	cyc Q	F TTC	S TCA	D GAC		T ACT	V GTA	Q CAG	494 1482
S TCT	G	λG	G GA	s a gt	H CAC	T ACA	OCY Y	L TTG	G GGA	D GAT	R AGG	S AGT	Y TAT	S TCA	GAG	s TCT	S TCA	S TCT	T ACA	S TCT	514 1542
S TCC	S TO	GG	e aa	S AGC	L TTG	n aat	S TCA	S TCA	ος. λ	P CCA	R CGT	GGA	gaa Gaa	r cct	S TCA	T ACC	L TTG	E GAA	D GAC	S AGC	534 1602
R CGA	E GA	G (P CA	6 ∞c	CAA	SCA CA	L CTA	G	D GAC	S	s TCC	GCC	n aat	GCA	E GAG	D GAC	R AGG	T ACT	s TCT	G GGG	554 1662
QTG V	, CC	È 1	S	L CTC	G GGC	T ACC	H	T ACC	L TTG	A GCT	ACT	GIC V	T ACT	G GGA	N AAC	G GGG	gaa Gaa	R	ACA	L CTG	574 1722
R CGG	S TC	; T (N A	T.	L	T ACC	N	T ACC	S AGC	H DTG	S	T ACG	T	S TCT	GGG	E GAA	GCA	GGC	S AGC	P CCT	594 1782
λ GCZ	GC	x (X	H	5 CCC	င်း	E	T AC	E GAC	G GGT	, ecc	S TCI	r CTC	H	V GTA		GIG A		D GAC	D GAC	614 1842
M OTA	G G	3 3C (L CTG	V GTC	s rc:	R A COX	S TCI	L CTC	A GCC	A C GCC	S TCC	S AGT	A CCA	CIC	G GGA	orc orc	A GCT	GGG	I ATT	S AGC	634 1902
Y TA	, C G	G GT	Ç CAA	V GIV	R G CCT	G COO	T AC	A CC	I TAT	E GA	Q Q	R ACC	T ACT	S TCC	S AGC	D GAC	H		D GAC	CAC H	· 654 1962
T AC	Ст.	Y AC	L CTG	s TC	S A TC	T T AC	P TT	T C AO	K C AA	G A GG	K CAN	R CCC	3 CCC	L TI	CTC	S TCC	I ATT	T ACA	D	N AAC	674 2022
S AG	тт	S CA	S TCC	s TC	D A GA	I C A T	v T GT	E G GA	S G AG	s c TC	A AC	s TC	Y TAI	ו דאן	, AN		S TCP		s rcr	S TCA	694 2082
C)A	r T	S	E GAC	Y AT &	s T TC	s crc	r C TI	T TC	H T CA	T GC	Q T CA	T G AC	E T GA					s TCJ	S TCC	Y TAT	714 2142
CJA	ر ا	G	E GN	Y KT A	T (C)	T C3	2 20 20 20	TT	T AC	T GA	s or o	20 S	V A GT	r CIV	H G CA		S TO		r cm	ccc b	734 2202
T	; :C 1	Y EAC	T AC	y CC	C AC	K A	1 : N	i i	.c cc	S AA	E AC	s TTC	e cr	V T GT	r CT	D S GAV	T AC			E GAG	754 2262
177	r Pr (V Fr	S AG	T CJ	o s ic ro	5 S	; ; ;; ;;	S S	s s	T	s s	c TC	S C TC	S C TC	T TC	S T TC	s T TC	s T TC	G A GGC	P CCT	774 2322
! C	er '	L TTG	φ 2	T C	rg co	9 : 70 TY	د د د د	V : TG TY	S (AA T	C C)	E CA	r TI	A TT	T TC	S A TC	I TA A	T TT	A CC	S A TCA	794 2382
A	cc .	AGG	00	C T	CT G	TG C	AT C	TA C	TA A	ag T	er m	C TO	T G	AT GC		C AC	A CC	A 1G	G AC	r rcc	2442
τ	S CA	cc.	T	3 2), C	P CT T	L TA C	P CA G	V TA T	s CC T	L TA A	r :	? ? CA T	S 1	2 T	T GC	C CC	A CI	. s	T GI	S C TC	834 A 2482

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ç vv	T ACA	T ACC	L TIG	P CCA	ÇAG Q	S TCA	S TCT	S TCT	T ACC	P CCT	v GTC	L CTG	P CCC	R AGG	A GCA			T ACT	CCI	854 2542
orc v	T ACT	S TCA	F TTT	Q CAG	T ACA	S TCA	T ACA	M ATG	T ACA	S TCA	F TTC		T ACA		CIC		s agt	S AGT	Q CAA	874 2602
T ACT		D GAC	L CTT	, k aag	S AGC				P CCA			E GAG		cic v	I ATT	T ACA	E GAA	S TCA	K AAG	894 268 2
S TCA	P CCA	S AGC	L CTG	crc v	S TCT	L CTG	CCC		E GAG				A GCT		T ACA	T ACA	N AAC	S TCT	P CCT	914 2742
	P		s TCC	L TTA	ACA		S TCC.		T ACA		cyv o	ACC		CCY B	GCC A	ACA	S AGC	T ACC	N AAC	934 2802
		ÇAX.			CCA				T ACT			CIG.		T ACC	S TCT	CAG Q	CCL b	crr	M ATG	954 2862
					r CIG						CIG CIG				P CCT	I ATA		V GTA	CAG	974 2922
T ACT					Q. CAG								I ATA			P			S TCA	994 2982
			_	-	S AGC								CIG V		A GCT	T ACC	T ACT	G GGA	L TTG	1014 3042
I ATC			T ACC		V GTA				œý y				T ACC	T ACA	K AAG	L CTT	G GCC	GLI A	T ACA	1034 3102
A GCA		Y TAC	S AGC	P CCA	A GCT	S TCA					ACA		CCT			Q CAA	T ACC	-	ý GIT	1054 3162
	S TCC		a GCT	e Gaa	CAC D	TTG			K AAA				F TTT			CAC Q	YCC S	S AGC	T ACA	1074
	S TCA	P CCA	T ACA		L CTG		S TCT	S TCA	GCC	S TCA	OIC V	N N	S AGC	C TGT	GCT	cic V	N AAC	P	C TGT	1094 3282
L CTT		n aat	G GGC		TGC				YYC N				G GGC		CAC	c TGC	R AGG	C TGC	ecce P	1114 3342
CCT	s rcc	TGG TGG	CAA	G 000G	D GAT	GAT D	C TGC	S A GT	GIG V	D GAT	org V	n aa t	E GAG	C TGC	L CTG	s TŒ	N AAC	ccc P	C TGC	1134 3402
P CCA	S TCC	T ACA	A	T ACG	100C	N AAC		T ACT	_	G GGA	S TCC	P TTT) I	C TGC	XXX K	C TGC	000 P	GTT V	_	1154 3462
	C.W.G	_	GYY		G . 0006											GAG	F TTT	X XXX	L TTA	1174 - 3522
																			N AAT	
					L TTA														T ACA	1214 3642
					E GAG														crc crc	1234 3702
																			C TGC	1254 3762

fchd528

FIG. 7C





K S S A E V C Q L L G S Q R R I F R A A AND TOO TOT GOT GAG GTC TGC CAG CTC TTG GGA TCT CAG AGG CGG ATC TTT AGA GCG G	G 1274 GC 3822
S L C K R K S P E C D K D T S I C T D ACC TTG TGC AAG CGG AAG AGT CCC GAA TGT GAC AAA GAC ACC TCC ATC TGC ACT GAC C	L 1294 TG 3882
D G V A L C Q C K S G Y F Q F N K M D 1 GAC GGC GTT GCC CTG TGC CAG TGC AAG TCG GGA TAC TTT CAG TTC AAC AAG ATG GAC CD	H 1314 AC 3942
S C R A C E D G Y R L E N E T C M S C TCC TGC CGA GCA TGT GAA GAT GGA TAT AGG CTT GAA AAT GAA ACC TGC ATG AGT TGC CC	P 1334 CA 4002
F G L G G L N C G N P Y Q L I T V V I I TITT GOC CIT GOT GOT CTC AAC TOT GGA AAC CCC TAT CAG CIT ATC ACT GTG GTG ATC GC	A 1354 CA 4062
A A G G G L L L I L G I A L I V T C C F GCC GCG GGA GGT GGG CTC CTG CTC ATC CTA GGC ATC GCA CTG ATT GTT ACC TGT TGC AC	R 1374 SA 4122
K N K N D I S K L I F K S G D F Q M S E AAG AAT AAA AAT GAC ATA AGC AAA CTC ATC TTC AAA AGT GGA GAT TTC CAA ATG TCC CC	P 1394 2A 4182
Y A E Y P K N P R S Q E W G R E A I E M TAT GCT GAA TAC CCC AAA AAT CCT CCC TCA CAA GAA TGG GGC CGA GAA GCT ATT GAA AT	1 1414 NG 4242
H E N G S T K N L L Q H T D V Y Y S P T CAT GAG AAT GGA AGT ACC AAA AAC CTC CTC CAG ATG ACG GAT GTG TAC TAC TCG CCT AC	1434 A 4302
S V R N P E L E R N G L Y P A Y T G L P AGT GTA AGG AAT CCA GAA CTT GAA CGA AAC GGA CTC TAC CCG GCC TAC ACT GGA CTG CC	1454 A 4362
G S R H S C I F P G Q Y N P S F I S D E GGA TCA CGG CAT TCT TGC ATT TTC CCC GGA CAG TAT AAC CCG TCT TTC ATC AGT GAT GA	1474 A 4422
S R R R D Y F . * AGC AGA AGA AGA GAC TAC TTT TAA GTCCAGGAGAGAGAGAGGACTCATTGCTCTGAGCCAG	1481 4482
TCACCTGGGACCTCTGCTCAGAGGACCGCACCAGGAGGCTGCGCCCAGGATTTGTCGGGA	4542
GCCACGCTGAGTGGCAAGCAGGAACAGGGACAGGCATGCGGGGGTGACCACAGTGGAGG	4602
AGACAGGTGGATGTGGAACCACAGGCTGCTCATTCAGCACCTTTGTTGTTACTGTGAACG	4662
TGAATGTGGGCCAGTATCAAGAGAGTCTCTCTGAGTGACTGCACCATGGCACTGGCACCA	4722
GCCCCACTATTACCCACCCCCACCACCACTACACTTCACTCCACCCGACCTCCTTTTTCCCTTC	4782
GTTTGCACTTTAGTAAATTGGGTGGGAGGTTTCCTTTTGGATCTGTTTTGAGACTGTTCC	4842
AGAAAGAAGGCTTCCTTTCCCGAGACACTTCCATAGGCAGCAATTTGGTGATTCAYTTGC	4902
ASCANATACTOGCTTGTTAATTATTTTCCTGCCCAGCRCCTGCGTGCTAAACAACAGAT	4962
GAGGATGASCGTACCACTGAAGATGTCGCCCATTGAACGGACAGTGTTTTCATA	5022-
TGTTTCTAGGTTGTCTTATGCTACAGTTTCCAAGCCASCCCCCACAGTGAGGAAATGTGT	5082
GAGGCACCGCACACTGCAATGTGTTTYTTAAGTCAAGGTGACACATGTATTTAAGAT	5142
TTTTTTTAAAATCTCYTTGCAGTTAAATCTCACTTTYTCAAACAAGCCTGGATCAGGGC	5202
AAAACAACTTATATYTGGTTTTAGCTGGAGGCTCAGCAGGCAGGATTGCAGGCAG	5262
ACTITICATICATIGAGGGCCCAGCCTGGGGCCTGGGACTCTGATCACCATTGTGGAGGCC	5322

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FIG. 7D







CACGCAMCTGCGTATGCACGAGAAATGTCAAACTGAACGCAGGTTTCACCACTCTAGGA	5382
AGCAGCTTGTTGACCCCCTGCASCTGGATGTGGTTAGAGGGATGGGCTGAATAGSCAGG	5442
PTAGATTTCCTGCATCAACAGTGCTTTGGGAASCTGTGGGATTCCTGAGGAAGAACAGG	5502
EAGCCGAGATGGAGCCACACATGAATTYGCTCACCGGCTACTGCAGCACTTTGTACCCAG	5562
ANTETCATGTCCACAAACCCCCATGTAAACTTTCAACCACTCAAAGSTGTTTATTCGGCTG	5622
NAGANATANCTTTTKTTTCTCACCCAGTCATTTGTACCTCTTCATATGGSTATGTCGCAC	5682
CCTCCAGAAACGTGGTTATACTKCCAGTCAGTGTGGGAGAACTGAAGACTTCCCGTTGGT	5742
CGAGGAACTGAGGTTGACCTTCGGGAAGGAAGTTCCACTCATCTTATTTAT	5802
TGATGTGGGTCCTGCCAGGGACATCCAGTACTCGGTGTCTKTAATTGCCACCTGGGGA	5862
ACTGTGTTTATTGGCCTTCTTTGGGGCATCCTGGRTTCGGATGAAGTGAGGGGGAATACAG	5922
AGGTAAAAGAATTGTCTCCACCCTGAAGCGGGGAGTCCCGCTTCACATTTCTGGAAATGG	5982
TGCAGCCACTGGGGACAGTTCTGCCCCGGGCATGGTTGTTTCTTCAAGGTCCTCTAAATA	6042
TAATCCCTATTCTTACATAATCCTTGGCCCTGATGGTTTTAAGCAAGAACTCCTGTGTCC	6102
MATGGTCTCCACCACTCACCATCACCCTGCTGTAGCAAGAGTCCTAGTCAGGGGAGGTGC	6162
ATTTAGTAGTTACATTGCACTTATCCATGAGATAAATAAA	6222
GTGGAGGCTAACCTAAAATTTCAAAGTGTCGCCTTTTTGAAATCTTGGGCCTCTCTCT	6282
GTAGAACCAATGCCCCTTTGTGGCTCACGGCCTCGCACCTAACTGGAGAGTTCTGAGCTC	· 6342
	6389

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FIG. 7E

NETWOTETICCATCATOMOCTTACOGTTCACTCTTCA 68	CALITOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOC
COCCCATCCACACCCCCTCTTTCCCACCCCCCTCTTTCCCACCCCACCCCACCCCCC	COTTO TO CONCLUSION CONCRETE ACADEMICATE
TOCTICACTOCALACATOCOCCITALOCTALTOTOCCALA 226	XCUCCOXXCLOCATCTOCATCTTTTCCTUACUCAT
TTTCTOOCTTTACAATTTACGTCTACAGCCCAAAACCCTA 105	TOWERT TOOCHOOCH TOOCHOOCH TO THE WETE T
PROTECULARITY OF THE PROTECTION OF THE PROTECTIO	NOTINGCOCCTORROCTANGCINENCOCKTOCCTORCTC
TOLOGOTOCATOTOCACOONACTOTOCATOTOCATOTOCT	THE TO CHOCALOTTIC CHOCALOTTIC CONTRACTICAL TO C
EXCITETITEXEXECUCIOSISTOCTESAMASTICIC 542	пенененения пененененей положение
CULTIMACTICITALISCI 621	TIGHTANGHTAGACAAATTOGITAETATITAMAT
THE CONTRACTOR CONTRACTOR 100	2016 OCH CONTRACTOR CO
PACHATOCHENTOCHENOSCHOOCHTOTOCHETOCHE 779	TO TO THE OWNER OF THE OWNER OF THE OWNER
NINCHOCOMICKEROMOCHOCOMINICATORITUS "" ÉSE	XXTGATTGTTACCCATAGTGTTCAEAGCACATTATTC
TOCHNIATCHTCHCCCATGUUMGMCCMCCMCTCCHCCA 937	TEATMATOCATMATCAMENTATOSTROCTOCCMCM:
CHOCCICATCAMCAMCAMCAMCACCACCACACACACACACACCACCACC	COMMOSTOCTACMCATOCATCACTTTC
P I E T Q K E P P P 16 CCC ATA GAG ACA CAA AAA TCT CCG CCA CCT 1079	H S R H G K ATTGTATGAAATGAA ATG TOC AGA ATG COC AAA
Y K P L D L S D S T 36 TAC AND CCA CTO GAT CTO TOO GAT TOO ACA 1139	PYSRLSPRDE
	LSYTETEATH
TOO CITC ATC ACT OCT COS OCT GAA TIC TCA 1139	THE TOT THE ACT GAR AGE GAS OCT ACE AND
P S N W C S V A Y W 76	DASKSPDATK DAC OCC AGC ATC TCT CCC GAC GCC ACC AAG
A V Y D Q A V S I P 96 OCC CTC TAC CAC CAC CAC TTC 1319	E H R T R V G R L Y L S CAC COC ACC COC GTG TAT
L G Q L N L E Q R S 116 CTG CCC CAC CTG CAG CAG CAG CAC 1379	Y D L P Q G S G F C
G P G T L L S K E P 136 CCC TTC CCC ATC CTG CTC ACC AAC CAG CCC 1439	E S V R R T R S K I CAG COC AGC AAG ATC
H P I P V H S P T L 156 CMC CCC ATC TTC GTC AMC TCC CCC ACC CTG 1499	O G V W A Y N R G E
R K V P P G Y S I K 176 CCC ANG GTG CCC CCC CCC TAC TAC ANG 1559	
N A P E P D A A D G 196	W P D P R R S G L D
	कर मेर कर मर कर कर कर कर कर कर
F A K G W G P C Y 8 216 THE OCC MG OCC TOO COO COC TOC TAC TOC 1679	P Y D P N S V R L S
LEILLHHPR • 235 CTG GAG ATC CTC CTC AAC AAC CCC AGA TAG 1739	R Q F E T S C P C W CCC CCC TCC TCC TCC TCC TCC

FIG. 8A





TO CONTROL	1818
CHENCHOCCCCHOCCHENNACCCCCCHCATATCATCTACCTACATTTAATATAAGTTTTATATATAT	1897
APATRITATACTICTAATTATOCACICATTTTTACAATGTAATTATTTATGTATGGTGCAATGTGTATATGCACAAA	1976
NEWGAMEACCCACTTTCCCTTATAMTTCTTTCMTACACTATATTTTCTTTC	2055
TTTTATATATATATAMAGAMATCATACACCACACTACCTCCAMACCTCCCTTTCCTCTATCCTTTTCACATA	2134
TTANTOCCCACACAMAMOCTANTACCACTCACTCACTANTAMACTATTCCCATTATACTCTTTTTTTAMACTCTCCTCC	2213
TTTTXCIAACACCCCCASTIACCCCTTCACCCCATTTTCTCACCCATCATCTTCAACCTTCACCTTCACTTTTCACC	2292
TTTTACTTTATTCATANCICKALCUATTCANACCACAACTCACATTTACTCACTAACTCACAAC	2371
TTCTOTTGTTGCTTGCTGCCCATGOCTATGGSGTGTGCAGTGGATAGGCATGGSGGTGGGGAAAAACACTAGAGTACACTGG	2450
COLITTIATOCIOCACAACTICTIOCAGTETICATOCAGGACTTICATOCCCTACCCTACCCTACACTACACTACAGGACTACACTAC	.**; 2529
CCLICATICACTIATCACCACTAQUEACACTATITATCACCATATATCACCAATATATCAACCAATATATCACCAATATATATCACCAATATATATCACCAATATATATCACCAATATATATCACCAATATATATCACCAATATATATATCACCAATATATATATCACCAATATATATATCACCAATATATATCACCAATATATATCACCAATATATATCACCAATATATATCACCAATATATATCACCAATATATATCACCAATATATATCACCAATATATATATCACCAATATATATCACCAATATATATATCACCAATATATATATATATATATATATATATATATATATATATA	2606
CHATOSSCTTCHCCCCHCCTCCTACCTTCCHCHCHCCATCTCCHCCCCCTTACATCTTTTTACCACCTCCACLCCCC	2687
TATATOOCACOOCCACOTATATATATATACTOCAATATATACACTACATACA	2766
CITTATTICIACTTICIAMACCAMACTICACCITICICACATAMICATTICCTCATCACAMATCMCIT	2845
ACAMETIACATOCAATTOTAOCACCOCATATCATTACATCACCTTTCTCACCAATATTCTCTCACCAC	2924
TOCTTOCCCAGATAACTAAGAGGAATGTTTCATTGTATATCTTTTTTCTTOGAGATTTATATTAACATATTAAGTOCTC	3003
TO AGUACTICATO TATTATCTCT TO CTOCATANTANTTATCCCCUMCTTAMUMUMUMUMACTICA	3082
c ·	3083

FIG. 8B





ACGAGGACGACAGGCTGTGCGCGCTCTGCACGGCGCTCCGGGGGGGCTGCGACCCGGGACCCGGGACCCGG

M CGCCTCGCTGAGGGAACGGACCCCCGGTAACCGGAGACCGCCTTCCCCCCCACCCCTGGCGCCAAAGGATATCGT ATG 15	1 57
·	
	21
TTC AGG TCC AAA CGC TCG GGG CTG GTG CGG CGA CTT TGG CGA AGT CGT GTG GTC CCC GAC 21	17
R E E G G G G G G G D E D G S L G S 4	41
	77
	61 37
CGA GCT GAG CCG GCC CCG CGG GCA AGA GAG GGC GGA GGC TGC GGC CGC TCC GAA GTC CGC 3:	<i>.</i> ,
	81
CCG GTA GCC CCG CGG CGC CCC CGG GAC GCA GTG GGA CAG CGA GGC GCC CAG GGC GCG GGG 31	97
R R R R A G G P P R P M S E P G A G A G 1	.01
AGG CGC CGG GGC GGA GGG GGC CCC CCG AGG CCC ATC TCG GAG CCA GGG GCC GGC GCT GGG 4	57
	.21
AGC TOC CIG CIG GCC GAG CCC GAG CCC GCA CCC CCC	17
ETVTCCLFSERDAAGAPRDA 1	41
	577
	L 61
SDPLAGAALLEAGOS	537
AGC GAC CCC CTG GCC GGG GCC CTG GAG CCG GCG GCG GCG GCG GCG GCG GCG GC	
	181
COC TOG COG CTG CTG CTG GAG CAG GAA CTC AAA ACC GTC ACG TAC TCG CTG CTG AAG	697
RLKERSLD, TLLEAVESRGGV	201
	757
	221 817
CCG GGC GGC TGC GTG GTG GGC GGC GGC GAC CTC CGC GTG GGC GGC GAG CCC GCG CCG	OT,
	241
	877
	261
K P L C G C H S F A A A A A A A A A A A A A A A A A A	937
ANG COC CITY THE GOC THE AND THE GOC COO GOO STATE AND Short	
M D V H F S R L C G P E S P P P P Y S R	281
AAC CCC TAC CAC TTC AGC CGG CTC TGC GGG CCC GAA TCT CCG CCA CCT CCC TAC TCT CGG	997
LSPRDEYKP, LDLSDSTLSYT	301
CTG TOT COT CGC GAC GAG TAC AAG CCA CTG GAT CTG TCC GAT TCC ACA TTG TCT TAC ACT	1057
•	
ETEATNS LITAPGEFS DASM	321 1117
GAR ALG GAL GUT ALC ARC ICC CIC AIC AC.	'
SPDATKTE WILLIAM CSVAYWEHRT	341
TOT COG GAC GCC ACC AAG CCG AGC CAC TGG TGC AGC GTG GCG TAC TGG GAG CAC CGG ACC	1177
ττιν •	361
R V G R L I R V L D R	1237
CAC GIG GOC COC CIC INI OCO GIG WIN COM THE CONTROL OCO GIG WIN COM THE CONTROL OCO GIG WIN COM THE CONTROL OCO GIG WIN COM THE COM TH	



FIG. 9A





Q	G	S	G	F	C	L	Ġ	Q	L	N	L	E	Ğ	R	S	E.	5	V CTC	R	381
CAG	GGC	AGC	GGC	TIC	1GC	CIG	GGC	CAG	CIC	AAC	CIG	GAG	حسن	CGC	AGC	GENS	ıcu	GIG	CGG	1297
R	T	R	s	ĸ	I	G _.	F	Ć	I	L	L	s	ĸ	Ε	P	D	G	V	W.	401
CGA	ACG	CCC	AGC	AAG	ATC	GGC	TTC	GĞC	OTA	CTG	CTC	AGC	AAG	CAG	CCC	GAC	GGC	GTG	TGG	1357
A	Y.	N	R	G	E	н	P	I	F	v	N	s	P	T	L	D.	A	P	G	421
GCC	TAC	AAC	CGC	GGC	GAG	CAC	CCC	ATC	TTC	GTC	AAC	TCC	CCG	ACG	CIG	GAC	GCG	CCC	GCC	1417
_	_	_	-			_	7.5	τ,	ъ	n	_	v	c	т	ĸ	v	F	D	F	441
GCC.	CGC K	GCC	LLC: T	CALC.	GTG	CGC	AAG	GTG	CCC	CCC	GGC	TAC	TCC	ATC	AAG	GTG	TTC	GAC	TIC	1477
E	R	s	G	L	Q	H	A	P	E	P	D	A	A	D	G	P	Y	D	p.	461
GAG	CCC	TCG	GCC	CTG	CAG	CAC	CCG	ccc	GAG	ccc	GAC	GCC	GCC	GAC	نانانا	CCC	TAC	GAC	CCC	1537
N	s	v	R	ı	s	r	Α	ĸ	G	W	G	P	C	Y	s	R	Q	F	I	481
AAC	AGC	GTC	CGC	ATC	ağç	TTC	GCC	AÀG	GGC	TGG	GGG	ccc	TGC	TAC	TCC	CCG	CAG	TTC	ATC	1597
_	_	_	_		T.J	₹.		•	τ.	L	N	N	P	R	*	-				497
ACC	TCC	TGC	. CCC	: TGC	TGG	CIG	GAG	ATC	CIC	CIC	AAC	AAC	ccc	AGA	TAG	;				1645
																				4504
TGG	CGGC	ccca	GCGG	GAGG	GGCG	GGTG	GGAG	GCCC	CGGC	CACC	GCCA	CCIG	CCGG	CCIC	GAGA	GGGG	CCGA	TGCC	CAGA	1724
GAC	ACAG	cccc	CACC	GAC	JAAA	cccc	CAGA	TATO	ATCI	ACCI	LAGA!	TTAP	ATAT.	aagi	TTTA	TATA	TAT	ATGG	AAAA	1803
AAA	LAAA	AAA	AAA																	1817

FIG. 9B



M F GACTCACAAAGAAACATCATGTTCGCTCCTTAGCAGGCAAACGACTTTTCTCCTCGCCTCCTCGCCCCCAATG TTC	2 6
R T K R S A L V R R L W R S R A P G G E LGG ACC AAA CGA TCT GCG CTC GCG CGT CTC TCG ACG ACC CCT GCC CCC GCC GAG	22 66
D E E E G A G G G G G E L R G E G A RAC GAG GAG GGC GCA GGA GGA GGA GGA GGA G	42 126
T D S R A H G A G G G P G R A G C C L ACG GAC AGC CGA GGG CAT GGG GGC GGC GGC GGC GGC AGG GCT GGA TGC TGC CTG	62 186
G K A V R G A K G H H .H P H P P A A G A GGC AAG GGG GGG GGG GGC AAA GGT CAC CAC CAC CAC CGG CGA GGC GGC GGC	.82 246
G A A G G A E A D L K A L T H S V L K K GGC GGG GGC GGG GGG GGG GGT CTG AAG GGG CTC AGG CAC TOG GTG CTC AAG AAA	102 306
L K E R Q L E L L L Q A V E S R G G T R CTG AAG GAG CGG CAG CTG CTG CTC CAG GCC GTG GAG TCC CGC GGC GGG ACG CGC	122 366
T A C L L P G R L D C R L G P G A P A ACC GOG TGC CTC CTG CTG CCC CGC CTG GAC TGC AGG CTG GGC CCC GGC CCC GCC	142 426
G A Q P A Q 'P P S S Y S L P L L C K V	162 486
F R W P D L R H S S E V K R L G C C E S TTC AGG TGG CG GAT CTC AGG CAT TCC TCG GAA GTC AAG AGG CTG TGT TGC TGT GAA TCT	182 546
Y G K I N P E L V C C N P H H L S R L C TAC GGG AAG ATC AAC CCC GAG CTG GTG TGC TGC AAC CCC CAT CAC CTT AGC CGA CTC TGC	202 606
E L E S P P P P Y S R Y P H D F L K P T GAA CTA GAG TCT CCC CCC CCT CCT TAC TCC AGA TAC CCG ATG GAT TTT CTC AAA CCA ACT	222 666
A D C P D A V P S S A E T G G T N Y L A GCA GAC TGT CCA GAT GCT GTG CCT TCC TCC GCT GAA ACA GGG GGA ACG AAT TAT CTG GCC	242 726
PGGLSDSQLLEEPGDRSHWCCCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	262 786
V V A Y W E E K T R V G R L Y C V Q E P GTG GTG GCK TAC TGG GAG GAG AAG ACG AGA GTG GGG AGG CTC TAC TGT GTC CAG GAG CCC	282 846
S L D I F Y D L P Q G N G F C L G Q L N TCT CTG GAT ATC TAT GAT CTA CCT CAG GGG AAT GGC TIT TGC CTC GGA CAG CTC AAT	302 906
S D N K S Q L V Q K V R S K I G C G I Q TCG GAC AAC AAC AAG AGT CAG CTG GTG CAG AAG GTG CCG ACC AAA ATC GGC TGC GCC ATC CAG	322 966
L T R E V D G V W V Y N R S S Y P I F I CTG ACG CGG GAG GTG GAT GTG TGG GTG TAC AAC CGC AGC AGT TAC CCC ATC TTC ATC	347 102
K S A T L D N P D S R T L L V H K V F P	36

FIG. 10A





G	F	s	I	к	A	F	D	Y	E	ĸ	Α	Y	s	L	Q	R	P		
CCT	TTC	TCC	ATC	AAG	GCT	TTC	GAC	TAC	GAG	AAG	ccc	TAC	AGC	cic	cvc	င်ငံ	ccc	n Aat	GÝC D
H	E GAG	F TTT	M ATG	Q CAG	Q CAG	ccce ₽	W TGG	T ACG	G GGC	F TTT	T ACC	V CTC	Q CAG	I ATC	S AGC	F TTT	CIG V	K AAG	GGC
W TGG	G GCT		C TGC	Y TAC	T ACC	R CGC	Q CAG	F TTC	I	s agc	s Agc	C TGC	P CCG	C TGC	W TGG	L CTA	E GAG	V GTC	I Tra
F	N	s	R	*			3 0 00				•								
							PPTIV												•
							PIGP											•	
							CCAC												
							-												
							CACT						•						
							CCTG												
GIO	CCAA	GCGG	TGTC	TCTC	CIGC	CCCI	TGGA	CACG	CTCA	GIGG	ocćy.	GAGG	CAGT	CCI	3GGC1	AAGC:	recc	SGCIY	SCCC
TCC	CAGC	AGCI	CCCA	GGAG	CACG	CCIC	TOTO	CCCA	CCCI	GGGA	AAGO	CCIV	3000	TCC.	icia	cre	VTCA	AGGAC	ACG
GGC	CIGI	CCAC	AGGC	TICI	GAGC	AGCG	AGCC	TGCT	AGTG	GCCG	AACC	AGAA	CAA	TAT:	PTTC!	NTCC:	TGI	TTAT	MCC
							CICI												
							TATI												
							NACC										-		
							CCAC												
CCI	VAGGT	rycc'	ATCC	TAGG	CIGA	CACC	PAAC	CTI	TTT	PTTA	CTTC	TACA	ACTC	ATAC	ACTO	GTAT	gata:	CTTC	SACA
CIX	TTC	CTAG	CTCA	ATGA	GCAT	GTTT.	AGAC:	ITTA!	ACATA	VAGCT	TTTA	TTCT	AACT	ACAA	AGGT	TTAA	ATGA	ACAA	GAGA
AG	TATA	CTCA	TTGG	TAAA	TTAG	CATI	CTAG	ICCT.	PTGAC	BAGAC	AAAC	GACI	CCTG	аааа	AAAA	CCIG	AGAT	TAT	raa1
							TAAA												
							AAAA												
							TOGI												•
							AATG				-				•				

FIG. 10B

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Note that the second se





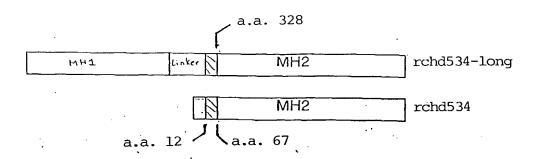


FIG. 11





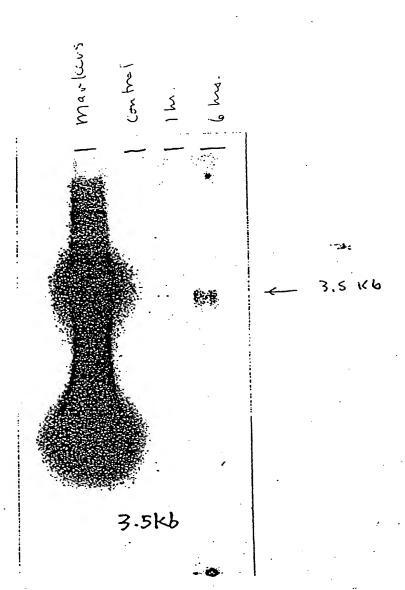


FIG. 12